

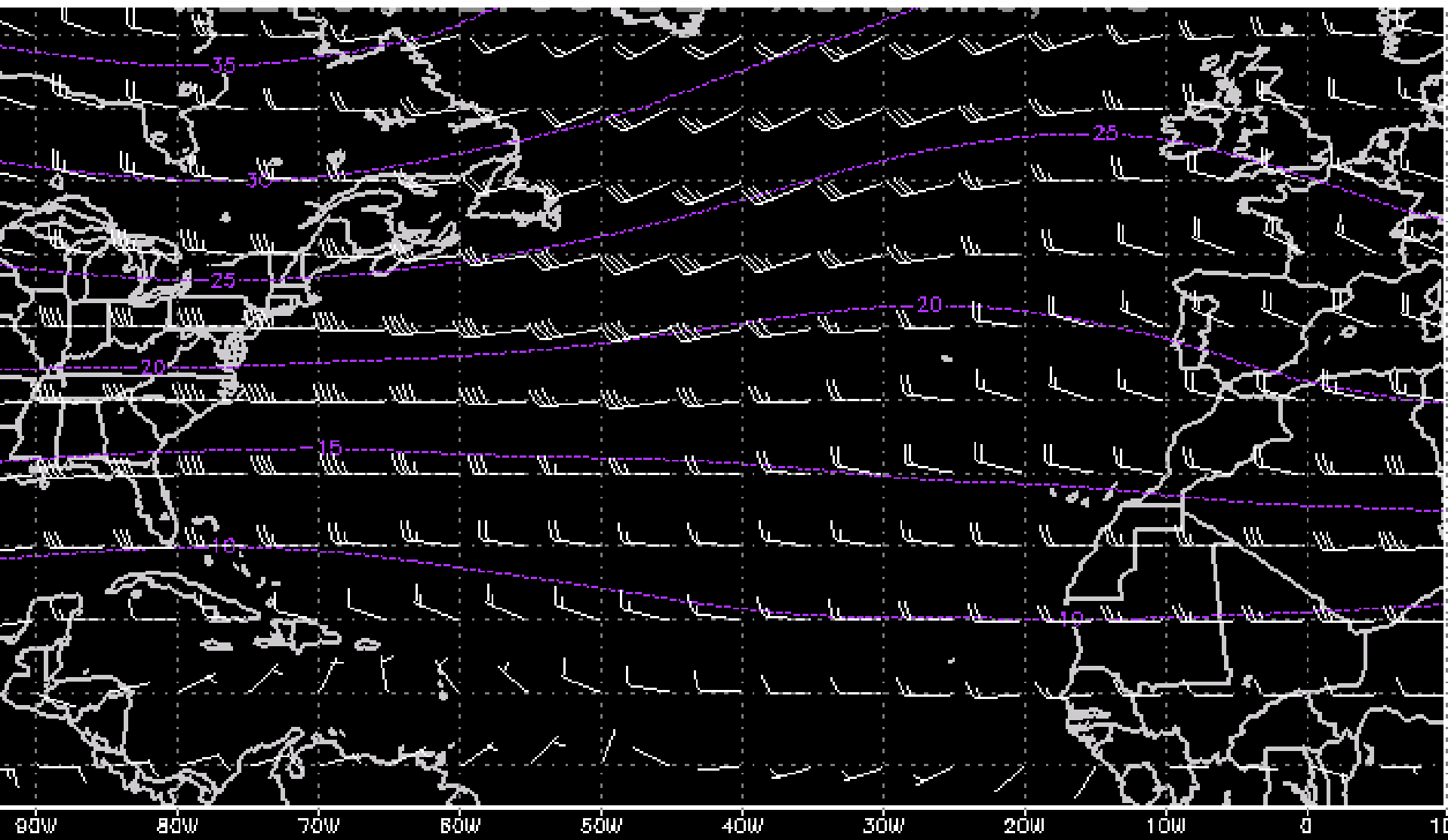


Southwest Asia Climatology

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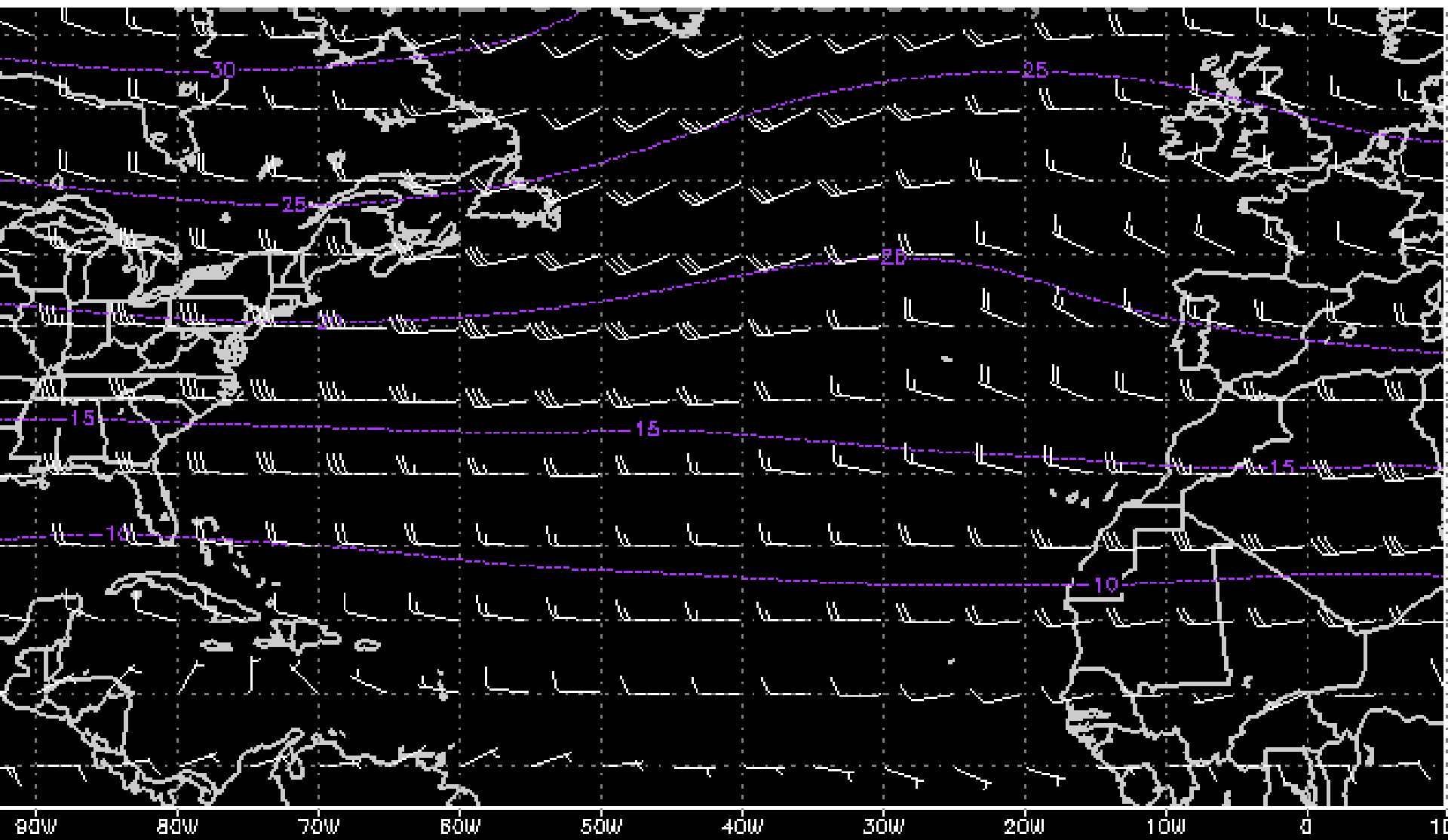


18,000FT Winds for March



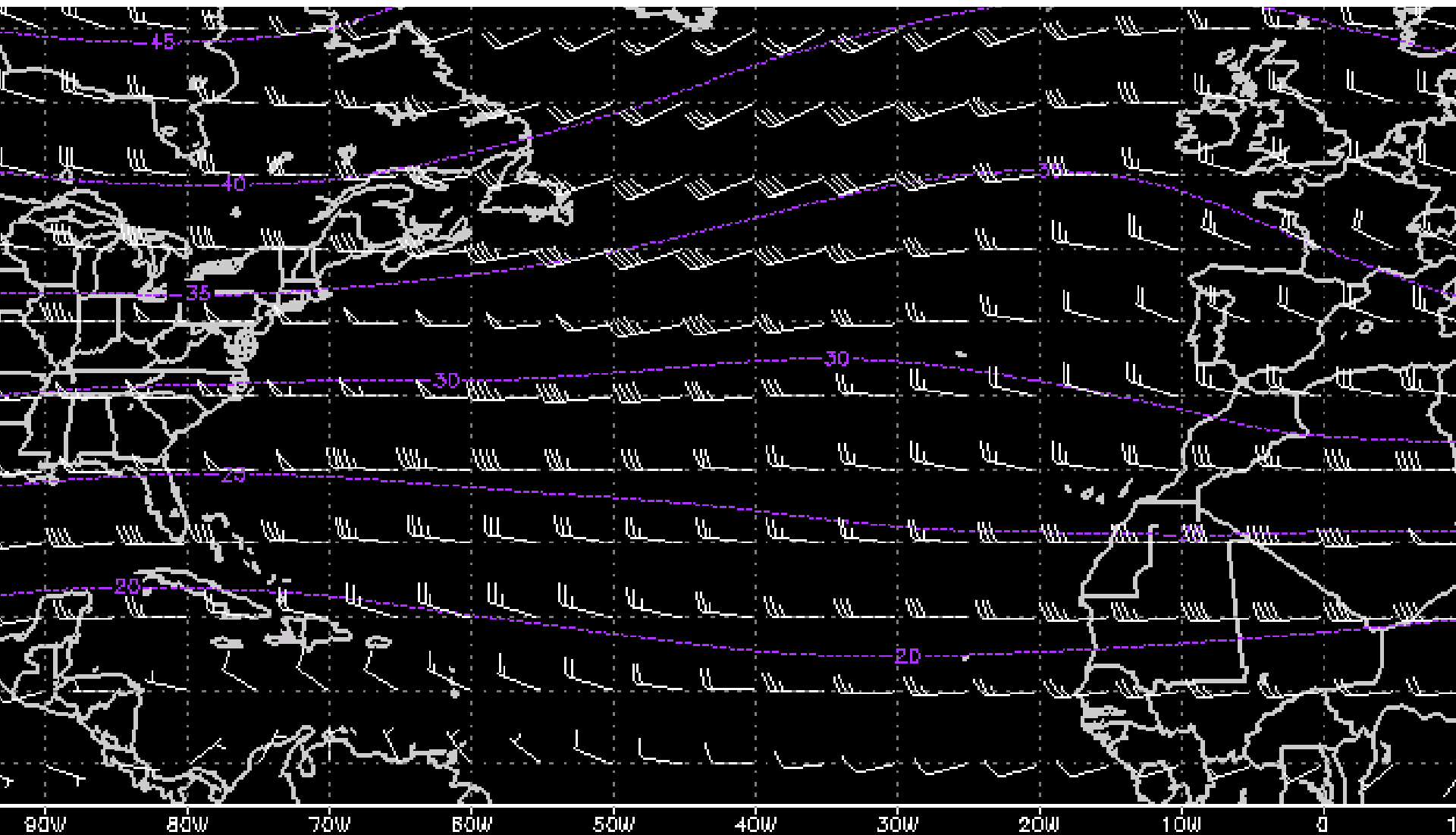


18,000FT Winds for April



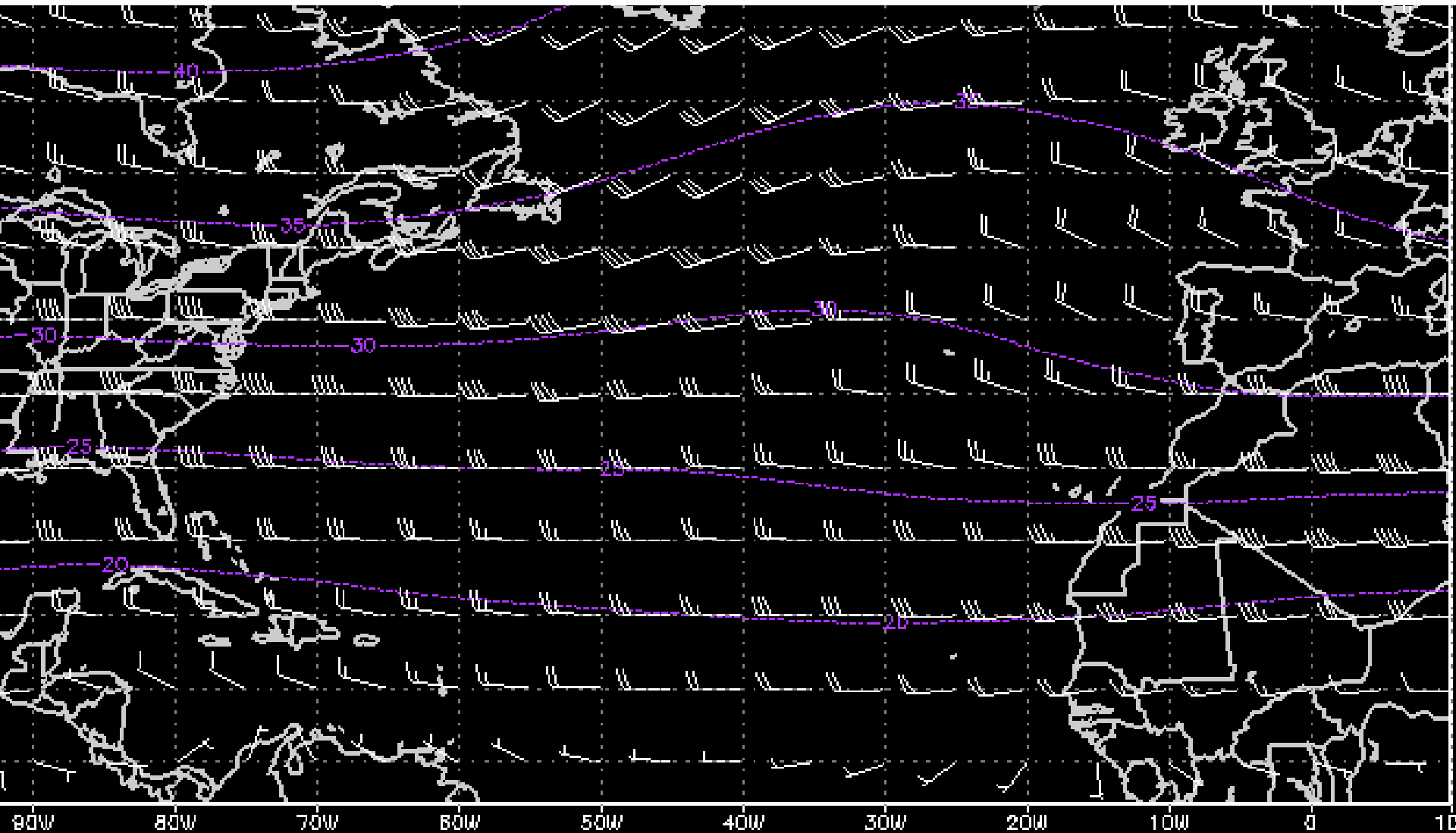


24,000FT Winds for March





24,000FT Winds for April





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Seasonal Weather SW ASIA

Winter (Dec-Mar):

- Generally fair skies, but migratory lows scattered skies and increasing temperatures.

3-5 days bringing short periods of precipitation and occasional dust storms.

- Strong northwesterly winds, known as Shamals, cause dust or sandstorms. Common with frontal systems.

- Shamals can last up to 24-36 hours in Iraq and up to 24 hours in Kuwait, and non-existent in Qatar.

- strongest in Dec-Feb and diminish in intensity in March.

- Sand storms with winds above 27 knots can reduce visibility to less than 30 feet and extend to 15,000 ft.

• Dust storms occur with winds of 17-27 knots. Severity depends on wind speed and ground conditions.

- Summer (June-Sep):

- Nearly clear skies, hot and dry conditions.

- Northwesterly winds persist all summer. Dust storms occur with winds of 17-27 knots. Severity depends on wind speed and ground conditions.

- Summer visibility is the worst of the year. Prevailing winds come from the northwest at 12-16 knots all summer. Shamals occur more often now and can persist for weeks at a time.

- Summer winds are the strongest of the year. Prevailing winds come from the northwest at 12-16 knots all summer.

- Visibility is restricted below 7 miles almost continuously in dust and salt haze.

- Iraq Shamals occur more often now and average 4-7 days per month.

Spring (April-May):

- Blowing sand increases in frequency as rainfall decreases with fewer frontal passages and the sandy soil dries.

- The Shamals gradually intensify and occur with greater frequency as the summer heat low strengthens.

- The prevailing winds are from the northwest at 10-12 knots all spring.

- Wind direction can vary from westerly to northerly depending on the synoptic situation, location and terrain.

- Fall (Oct-Nov):

- Scattered skies and decreasing temperature by late Oct.

- Fog and rain increase in frequency, which helps reduce dust haze a little.

- In Kuwait dust storms and sandstorms occur often with migratory lows and cold fronts.

- Visibility is restricted below 7 miles almost continuously in dust and salt haze.

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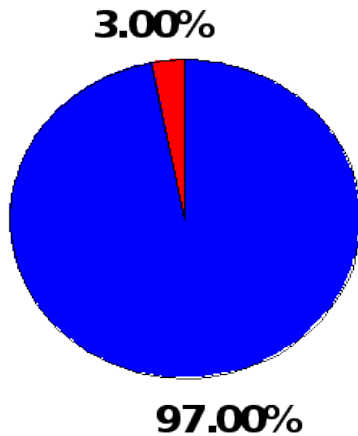
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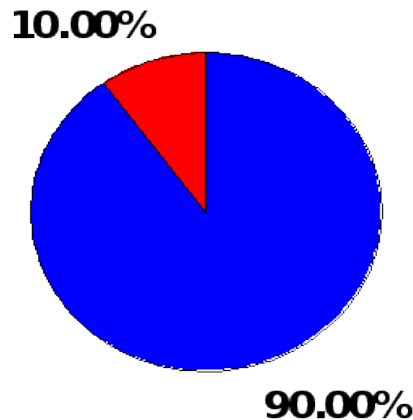
VFR VS IFR / Prevailing Winds

Qatar



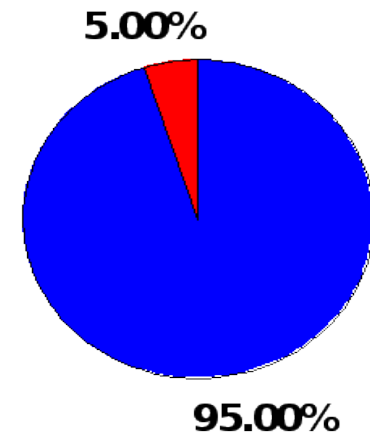
■ VFR ■ IFR

Kuwait



■ VFR ■ IFR

Baghdad



■ VFR ■ IFR

NNW @ 11Kts
Max Gust 62 Kts

NW @ 8Kts
Max Gust 62 Kts

NW @ 7Kts
Max Gust 50 Kts

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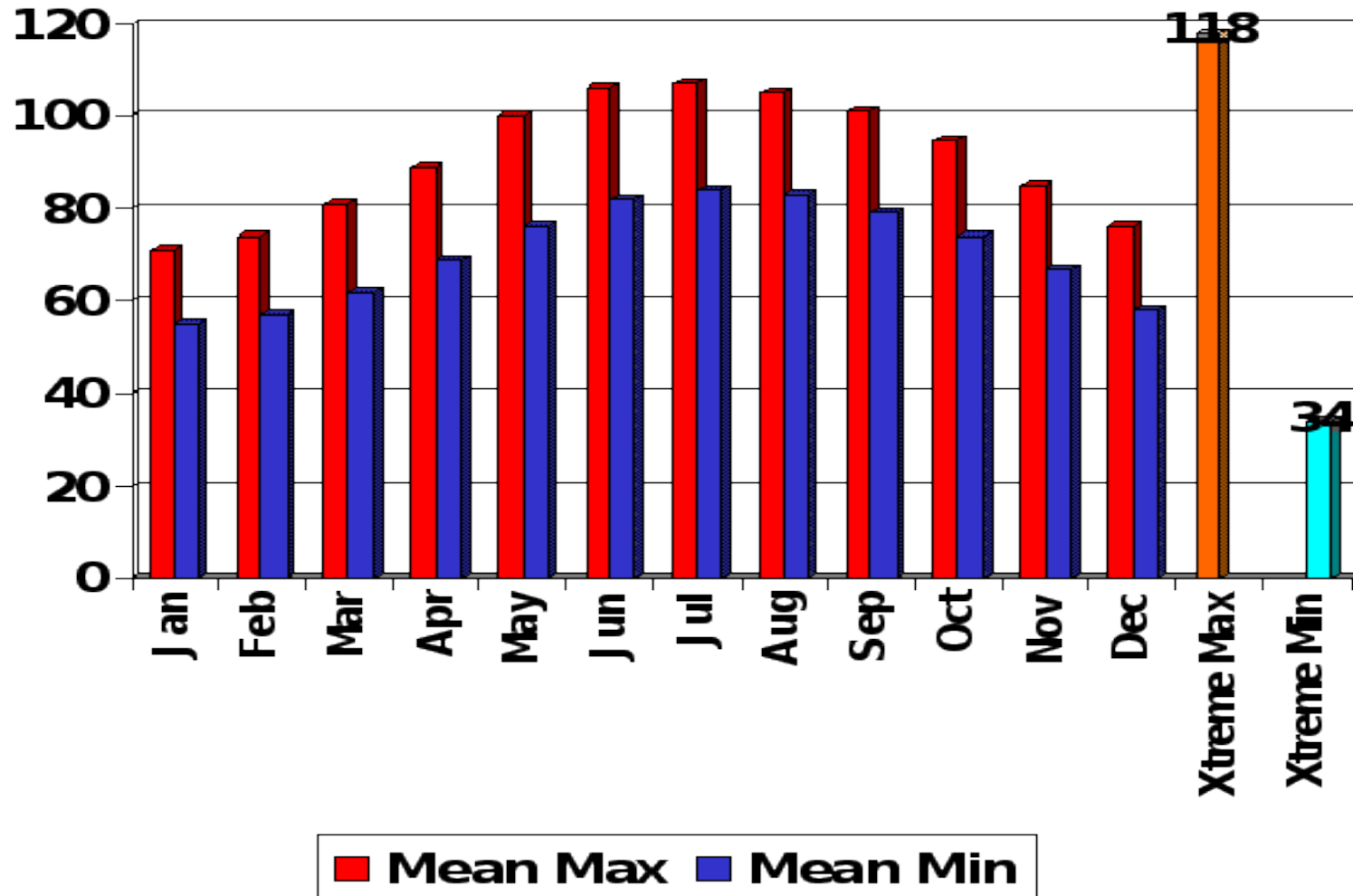
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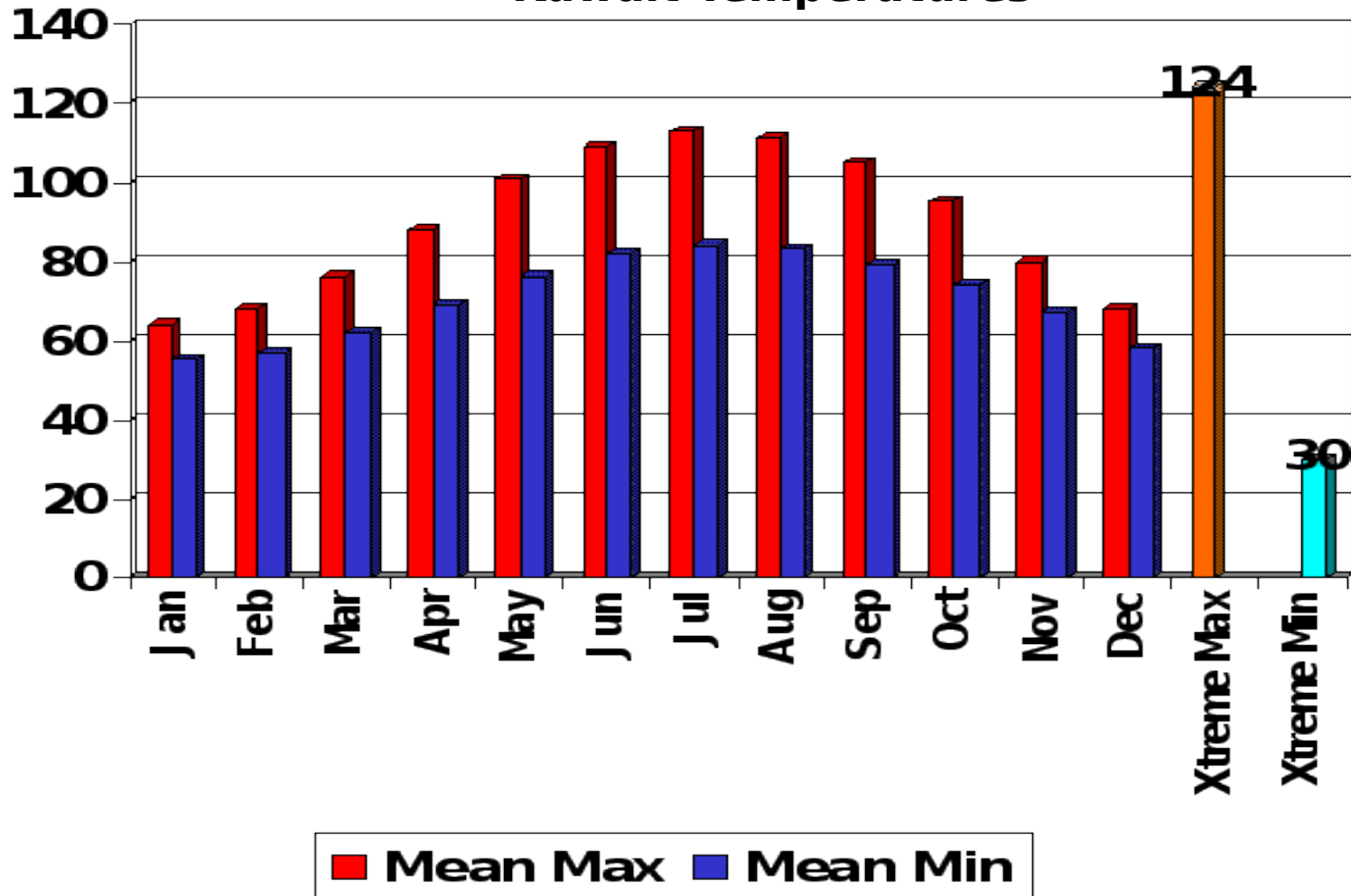
Qatar Temperatures





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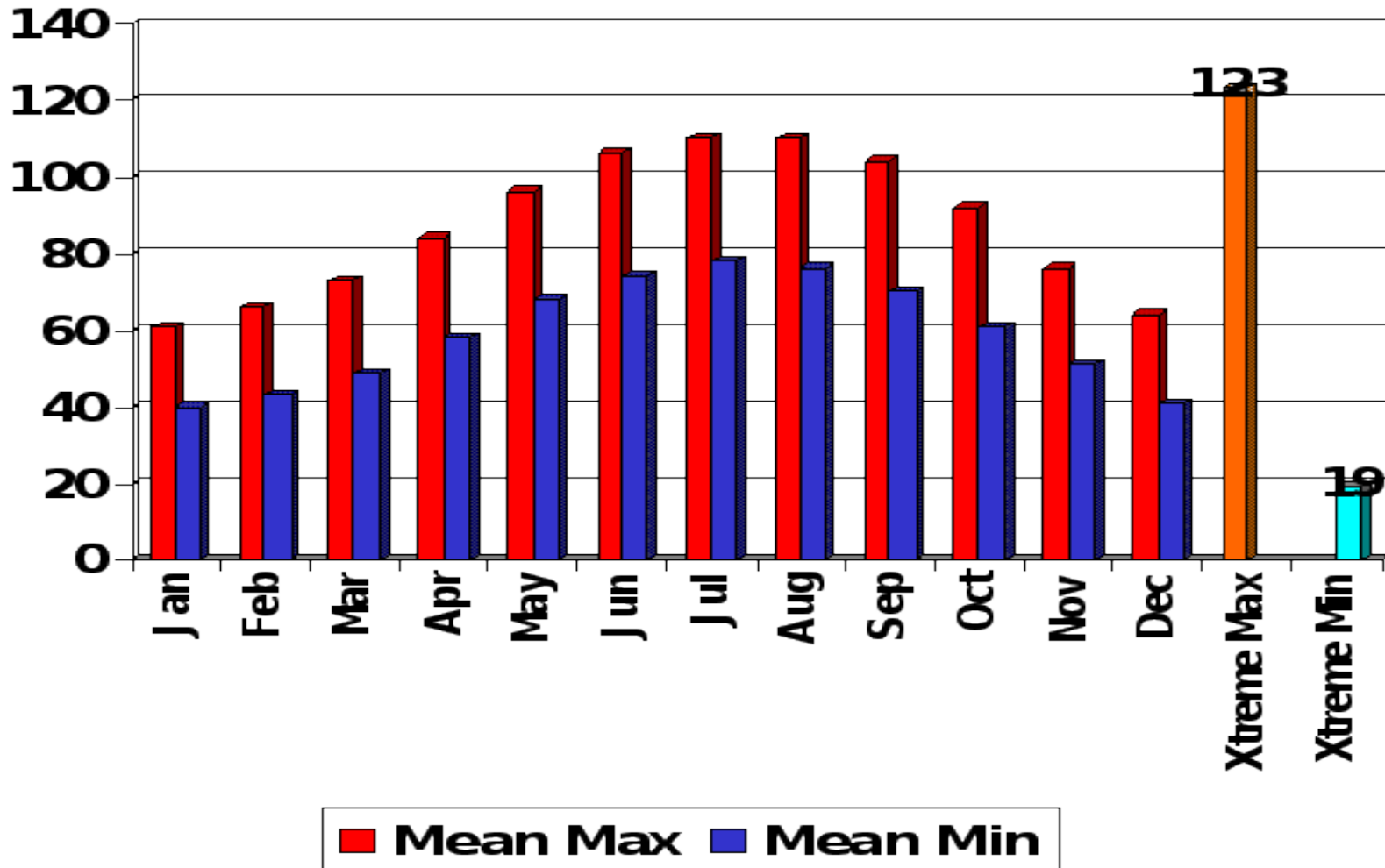
Kuwait Temperatures





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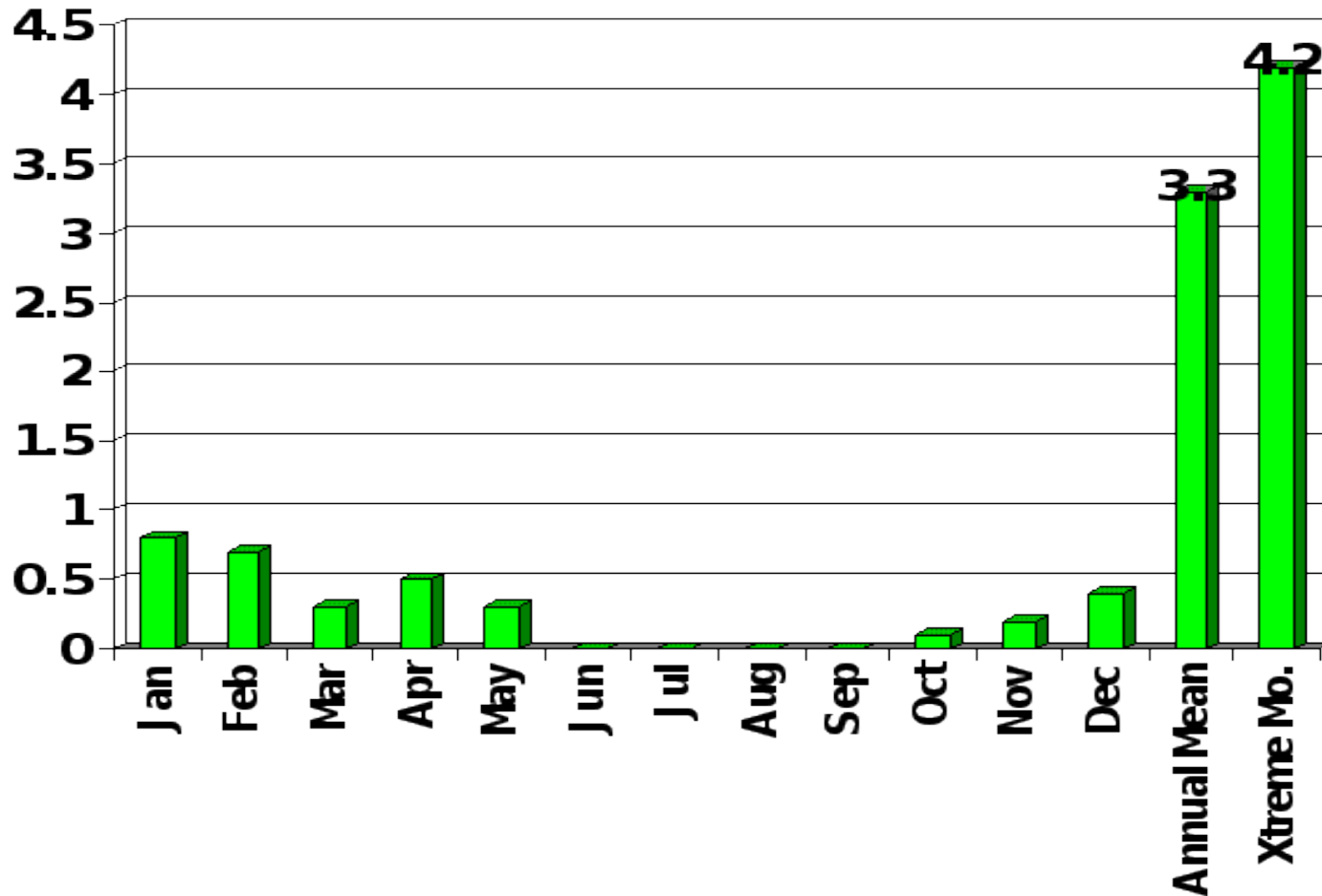
Baghdad Temperatures





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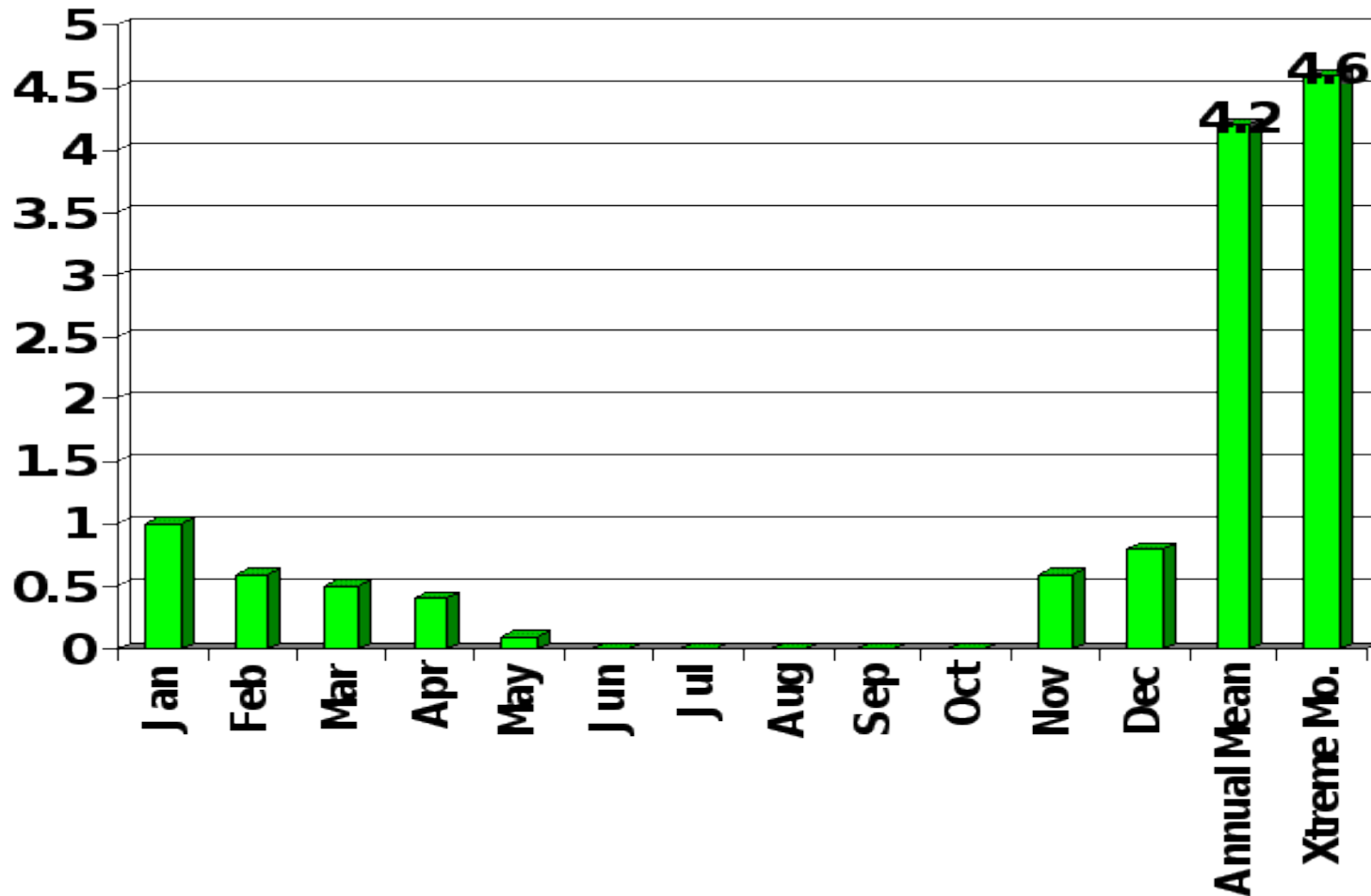
Qatar Precipitation





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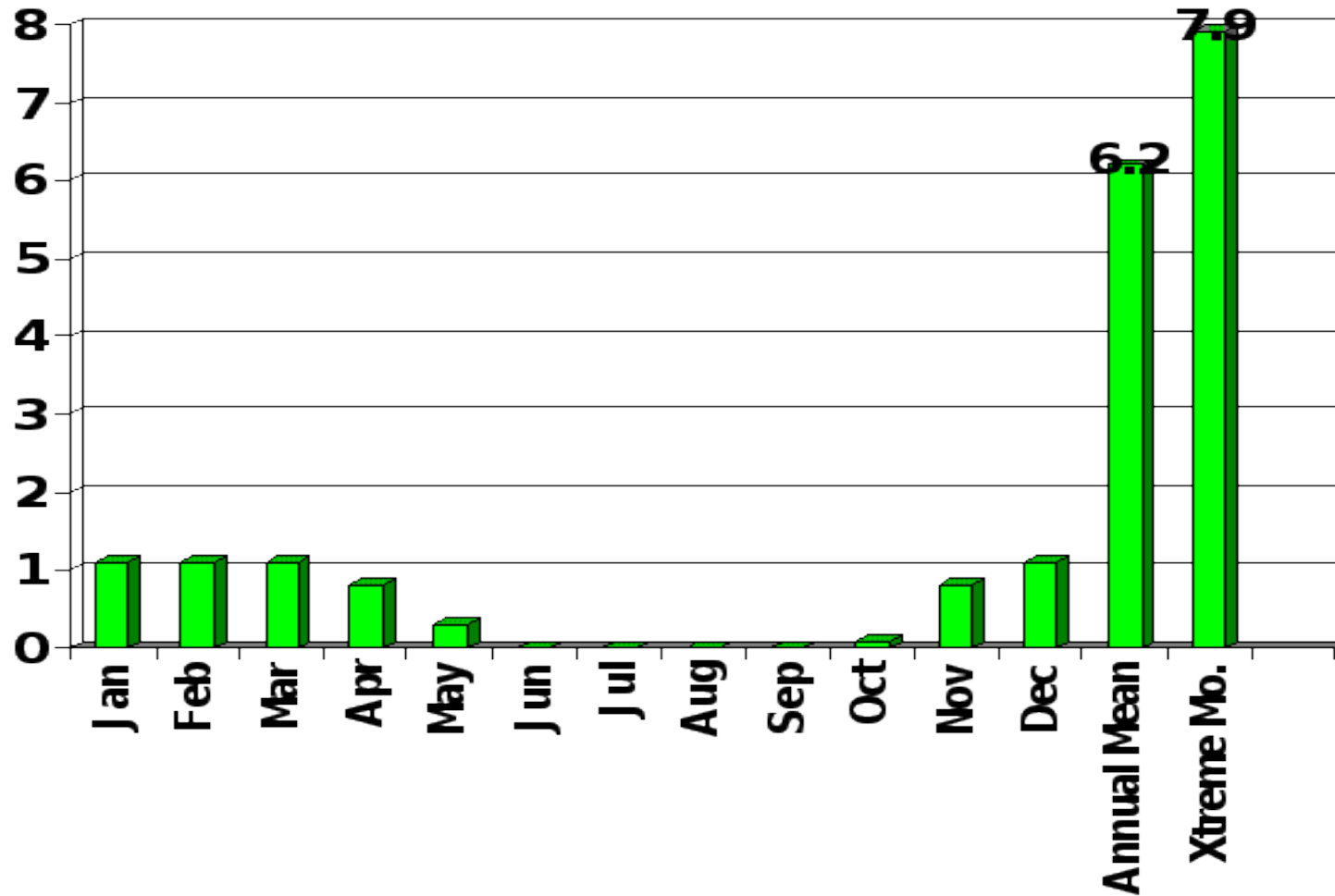
Kuwait Precipitation





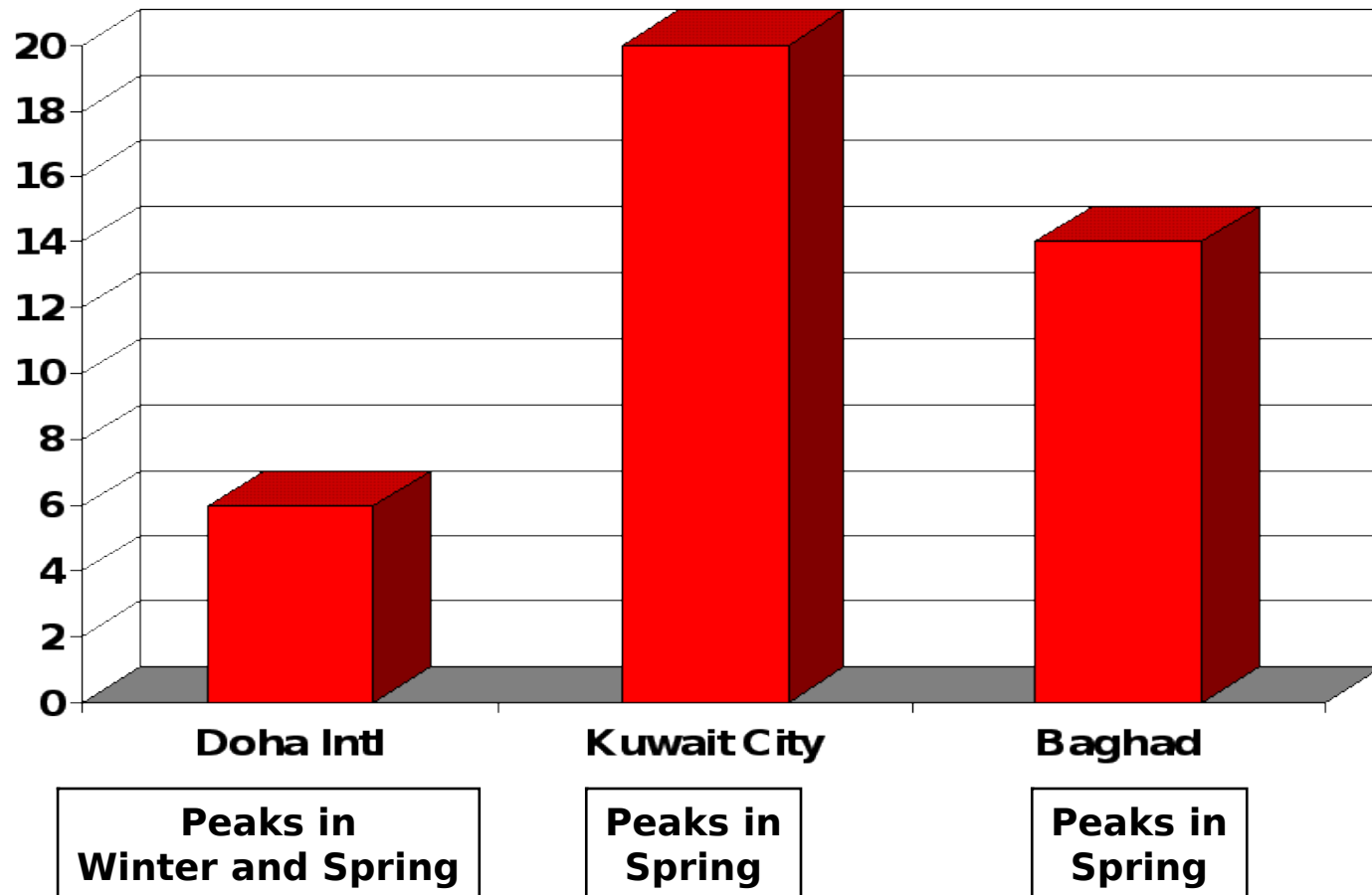
Southwest Asia Theater Climatology

Baghdad Precipitation





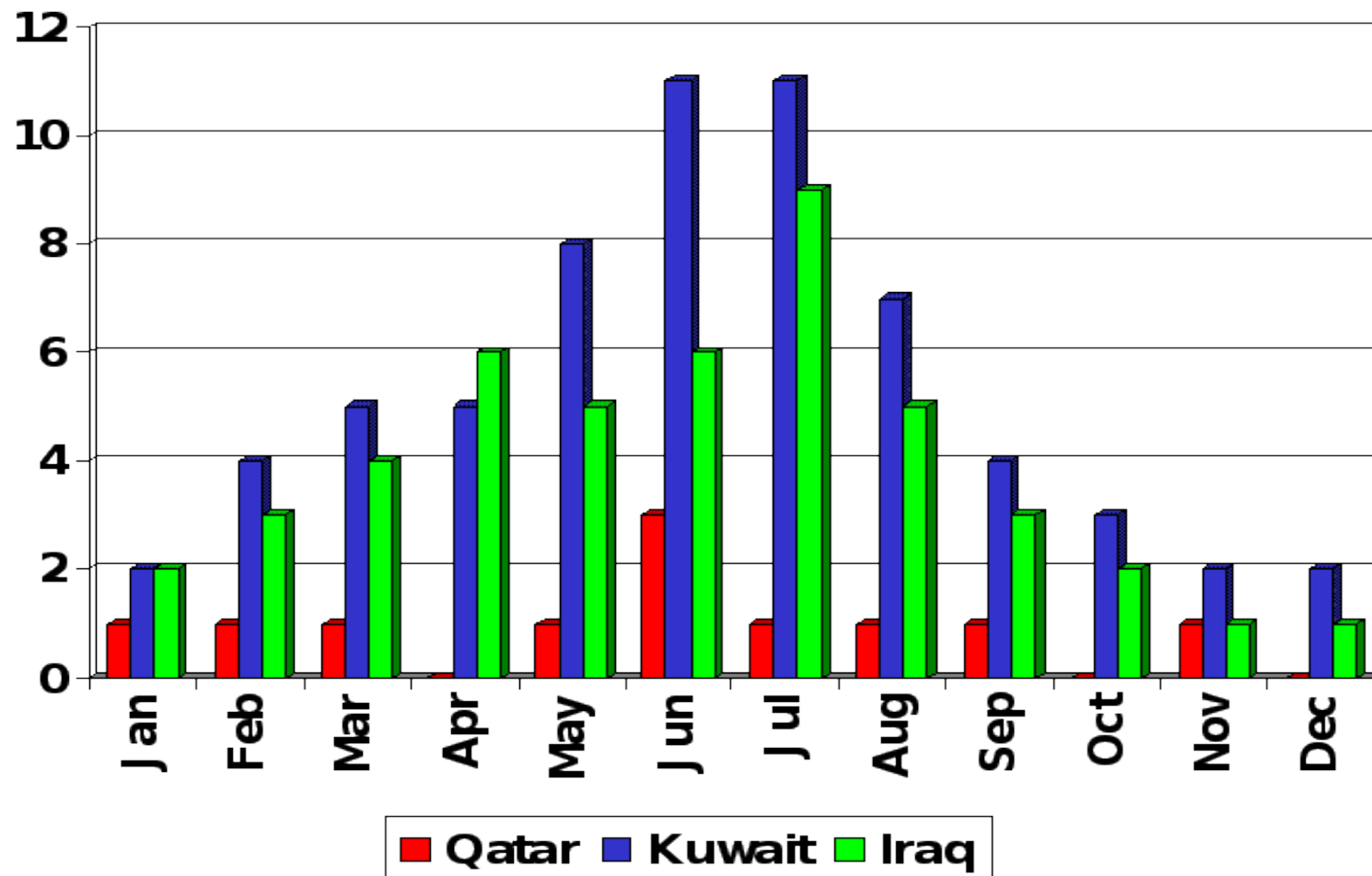
Southwest Asia Theater Climatology Annual Days w/h T-Storms





Southwest Asia Theater Climatology

Days w/h Blowing Dust/Sand





Impacts and Take Aways

- **Generally good flying conditions all year**
- **Worst flying conditions for ceiling, visibility, and precipitation is winter**
 - **Fog/salt haze is most prevalent during morning hours in winter**
 - **Blowing dust/sand storms occur during winter but most prevalent the summer**
- **Winter is the wet season**
- **High risk of heat casualties during the hot summers**
- **Greatest threat of Thunderstorms is winter to Spring and generally associated with cold frontal passage**



Questions or Comments

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